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APPLICATION NO.	FILING	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,797	10/743,797 12/24/2003		Neil Mark Prosser	D-21388	9790
27182	7590	03/15/2006		EXAMINER	
PRAXAIR, INC.				JONES, MELVIN	
LAW DEPA	RTMENT - 1	M1 557		ART UNIT	
39 OLD RIE	39 OLD RIDGEBURY ROAD				PAPER NUMBER
DANBURY	DANBURY, CT 06810-5113			3744	
				DATE MAIL ED. 02/15/2004	•

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Appl	ication No.	Applicant(s)				
		10/7	43,797	PROSSER E	T AL.			
Office Action Summary			niner	Art Unit				
			in Jones	3744				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)[🛛	Responsive to communication(s) filed	on 24 Decemb	<u>per 2003</u> .					
•—	This action is FINAL . 2b)⊠ This action is non-final.							
3)								
	closed in accordance with the practice	e under <i>Ex par</i> t	e Quayle, 1935 C	.D. 11, 453 O.G. 213.				
Dispositi	on of Claims							
4)⊠	I)⊠ Claim(s) <u>1-19</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠	☑ Claim(s) <u>11-19</u> is/are allowed.							
·	Claim(s) <u>1,2,4,6 and 7</u> is/are rejected.							
•	☑ Claim(s) <u>3,5 and 8-10</u> is/are objected to.							
8)[Claim(s) are subject to restricti	on and/or elect	ion requirement.					
Applicati	on Papers							
9) The specification is objected to by the Examiner.								
10) \boxtimes The drawing(s) filed on $\underline{12/24/2003}$ is/are: a) \boxtimes accepted or b) \square objected to by the Examiner.								
	Applicant may not request that any object			•				
—	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	inder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO-1449 or P r No(s)/Mail Date <u>12/24/2003</u> .		Paper N	w Summary (PTO-413) lo(s)/Mail Date of Informal Patent Application	n (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,2,4,6 & 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Howard (US Patent No. 5,758,515). Howard discloses a cryogenic air separation with a warmturbine recycle and comprising: a primary air compressor (13), a main heat exchanger (17), a primary turbo expander (19), a cryogenic air separation plant (65) is a double column plant further comprising a first higher pressure column (20) and a second lower pressure column (22). Nitrogen —enriched vapor is withdrawn from higher-pressure column (20) as a stream (72) and passed into a main condenser (21) wherein it is condensed by indirect heat exchange and the nitrogen —enriched liquid (73) is withdrawn from main condenser and moreover comprising a booster compressor (15).

Allowable Subject Matter

Claims 11-19 are allowed over the prior art of record.

Claims 3,5,8,9 & 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melvin Jones whose telephone number is (571)272-4810. The examiner can normally be reached on Monday- Wednesday & Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Melvin Jones
Primary Examiner
Art Unit 3744

MELVIN JONES
PRIMARY EXAMINER